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(54) **Sewing machine having a soft-starting circuit.**

(57) A sewing machine comprises a pedal position detector (50) for detecting the position of a manually operated foot pedal (51) and generating therefrom a pedal position indicating signal. A predetermined position of the armshaft of the sewing machine is detected for generating an armshaft position signal. A soft-start speed setting circuit (53, 55, 60) is provided for successively generating a soft-start speed setting signal of an increasing value as a function of time in response to the occurrence of the armshaft position signal. The soft-start speed setting signal is enabled by a circuit (59) when it is smaller in magnitude than the pedal position indicating signal and conversely the pedal position indicating signal is enabled when the latter is smaller than the soft-start speed setting signal. The enabled signal is used to control the speed of the sewing machine.

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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
A	DE-A-2 412 895 (GEORGII-KOBULD AUGUST HEINE) *Page 7, line 19 to page 8, line 4; figure 1*	1,5	D 05 B 69/12 G 05 D 13/62
A	EP-A-0 028 138 (MATSUSHITA ELECTRIC INDUSTRIAL) *Page 2, line 10 to page 4, line 4; figures 1,3,7*	6,7,8	
A	DE-A-2 726 187 (HITACHI) *Page 11, line 22 to page 12, line 14; figure 1*	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 3)
			D 05 B 69/00 G 05 D 13/00 H 02 P 1/00
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 07-02-1983	Examiner VUILLEMIN L.F.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	